

United States Department of Agriculture Natural Resources Conservation Service 316 W. Boone Ave, Suite 450 Spokane, WA 99201-2348

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Date: December 4, 2000

WASHINGTON BULLETIN NO. WA210-1-01

SUBJECT: COMMENTS ON DRAFT POLICY AND PROCEDURES FOR EVALUATION OF EXISTING STRUCTURES ASSOCIATED WITH DAIRY AND ANIMAL FEEDING OPERATIONS (AFO).

<u>Purpose</u>. To distribute subject information and ask for comments

Expiration Date: January 19, 2001

RESPONSE DUE BY: JANUARY 19, 2001

The final report from the Dairy Technical Advisory Committee, dated December 2, 1998, contained the following recommendation:

"When new structures are to be tied, or connected, to older structures, the NRCS should provide guidance to dairy planners on a case-by-case basis, evaluating existing structures for groundwater risk, safety, health, and function."

A technical committee was formed and has developed draft policy and procedures for evaluation of existing structures associated with Dairy and Animal Feeding Operations (AFO).

The draft policy is attached for your review and comment. Please provide comments to Larry Johnson, State Conservation Engineers, <u>not later than January 19, 2001</u>, at <u>larry.johnson@wa.usda.gov</u> or the above address.

/s/

LAWRENCE A. JOHNSON State Conservation Engineer

Attachment

DIST: This bulletin is being sent via email to all NRCS employees only.

WA521.01 Pollution abatement in conservation operations.

(a) Planning

1. Dairy Operations / Animal Feeding Operations, Evaluation of Existing Structures

Engineering performance assessment policy for the review of existing structural practices for dairy or animal feeding operations is contained in this section. FOTG Section IV and the Practice Standard Checklist, NEM 521.01(a) Exhibit 1 through Exhibit 22, shall be the required criteria for assessing the structural practice performance and condition.

NRCS acceptance of each existing practice shall comply with the following policy.

- (a) Practices installed with an NRCS (or SCS) approved design and construction certification that are part of an existing Operation.
 - I. Shall be accepted as meeting NRCS Standards and Specifications.
 - II. Each practice approved and certified by NRCS (or SCS) requires no further technical assessment, and is designated as meeting the appropriate practice standard at the time of installation and certification.
 - III. The practice must be functioning as originally designed and has been regularly maintained. Any repairs or rehabilitation needed shall be consistent with NEM 501.22(a).
- (b) Practices installed without NRCS assistance or approval that are part of an existing Operation.
 - I. Each practice shall be reviewed according to the appropriate Practice Standard Checklist, NEM 521.01(a) Exhibit 1 through Exhibit 22. Checklist performance measures were developed to comply with the appropriate practice standard that was in place at the time the installation of the practice was completed.
 - II. Each practice reviewed that meets the acceptable performance measures as set forth in the appropriate Practice Standard Checklist, NEM 521.01(a) Exhibit 1 through Exhibit 22, is designated as meeting the appropriate practice standard that was in place at the time of the practice installation.
 - III. Practices that do not meet the performance measures as set forth in the appropriate Practice Standard Checklist, NEM 521.01(a) Exhibit 1 through Exhibit 22, shall be evaluated and documented in the comment section with the requirements to modify the practice to comply with NEM 501.22.(b).
 - IV. NRCS employees or others operating under the technical supervision of an NRCS employee, who certify that existing practices meet the performance measures, as set forth in the Practice Standard Checklist, NEM 521.01(a) Exhibit 1 through Exhibit 22, shall have appropriate engineering Application job approval authority.

(EXHIBIT 1)

Practice Number	313
Practice Name	WASTE STORAGE FACILITY, (Pond)
Land Owner	
Date Installed (MM/YY)	
Purpose(s)	
Location Description	

Pe	rformance Measures	Yes	No	n/a
1.	The pond either has a storage capacity that is less than 10 acre-feet above natural ground level,			
	or was constructed with a "Construction Permit" issued by the DOE Dam Safety Section.			
2.	A flood event has not inundated or damaged the pond.			
3.	The pond either does not receive runoff from an outside drainage area or has an emergency spillway.			
4.	The pond eithe r was built before January 1994,			
	Or was constructed with the bottom of the pond above the seasonal high water table;			
	Or was excavated with the bottom of the pond below the seasonal high water table elevation, and a perimeter drain was installed to reduce the seasonal high water table to below the bottom of the pond elevation,			
	Or was approved by the WA Department of Ecology.			
5.	The pond either was constructed before February 1987; or was not located within 300 feet of a domestic water source. if it was constructed in GP, GW, SP, or SW soil,			
	Or was constructed with a GM, GC, SM, SC, ML, CL, or CH soil liner,			
	Or was sealed with bentonite,			
	Or was constructed with a synthetic liner.			
6.	The pond eithe r was constructed before January 1994,			
	Or was constructed with a CH, CL, MH, ML, SM, SC, GM, or GC soil liner,			
	Or was sealed with bentonite,			
	Or was constructed with a synthetic liner?			
7.	The embankment has a minimum top width of 8 feet, and no side slope is steeper than 2 to 1 and the combined side slopes are 5 to 1 or flatter?			
8.	Are earth embankments free of any evidence of seepage?			
9.	Are pond embankments free of significant eroded areas?			
10.	Side slopes that were excavated below the natural ground elevation are stable			
11.	The pond has a permanent inlet that is resistant to plugging and has protected the inside of the pond from erosion			
12.	Some provision is provided so that the pond can be emptied.			
13.	Appropriate safety precautions have been addressed to restrict animal and human access.			
14.	Operation and maintenance has been performed to ensure structural stability.			

(EXHIBIT 1)

Practice Number	313
Practice Name	WASTE STORAGE FACILITY, (Pond)
Land Owner	

Practice Acceptance Criteria	Complies with NRCS Practice Standards	Does not comply with NRCS Practice Standards
If all performance measures are checked "Yes" or "n/a" the practice is performing in compliance with NRCS Practice Standards.		

Comments

Signed: Date:

(EXHIBIT 2)

PRACTICE STANDARD PERFOMANCE MEASURE CHECKLIST

Practice Number	313					
Practice Name	WASTE STORAGE FAC	ILITY, (Structure)				
Land Owner						
Date Installed (MM/YY)						
Purpose(s)						
Location Description						
Performance Measur	······································			Yes	No	n/a
Applies to: (Circle) Slabs C	turbs Tanks Walls Roofs	3				
The structure was originally	installed to store manure					
2. There has been no moveme	ent or settlement of the structure	due to foundation conditions.				
3. There has been no moveme	ent of the structure due to hydrost	tatic loads.				
There has been no lateral moloadings.	novement of any component of th	e structure due to external or in	ternal			
5. Manure tank covers show n	o signs of distress.					
6. If the facility has a roof, the	roof or supporting members has I	not been damaged from snow o	r wind.			
	ot cracked or broken, Steel compestructurally sound and not dama		rrosion,			
8. Appropriate safety precaution	ons have been addressed.					
9. Has O & M been achieved?						
Practice Acceptance	Criteria	Complies with NRCS Practice Standards	Does no NRCS P Standar	ractice		h
If all performance measures are of practice is performing in compliar Standards.						
Comments						
<u> </u>						

WA521-5

Date:

Signed:

(EXHIBIT 3)

PRACTICE STANDARD PERFORMANCE MEASURE CHECKLIST

	T				
Practice Number	350				
Practice Name	SEDIMENT BASIN				
Land Owner					
Date Installed (MM/YY)					
Purpose(s)					
Location Description					
•					
				1 37	
Performance Measur				Yes	No
Does the sediment basin have					
2. Does the sediment basin have	· · · · · · · · · · · · · · · · · · ·				
Are the fill side slopes 2:1 w And/Or	vith combined front and back side	e slopes not less than 5:1 or flatte	er		
And/or Are the cut side slopes 1:1	or flatter?				
Is the sediment basin sized w		adiment settlement?			
Is the capacity of the sediment	<u> </u>				
6. Has O&M been achieved?					
					<u> </u>
Practice Acceptance	e Criteria	Complies with NRCS Practice Standards	Does not com NRCS Practic Standards		th
Practice Acceptance If all performance measures are performing in compliance with NF	checked "Yes" the practice is		NRCS Practic		th
If all performance measures are	checked "Yes" the practice is		NRCS Practic		th
If all performance measures are performing in compliance with NF	checked "Yes" the practice is		NRCS Practic		th
If all performance measures are	checked "Yes" the practice is		NRCS Practic		th
If all performance measures are performing in compliance with NF	checked "Yes" the practice is		NRCS Practic		th
If all performance measures are performing in compliance with NF	checked "Yes" the practice is		NRCS Practic		th
If all performance measures are performing in compliance with NF	checked "Yes" the practice is		NRCS Practic		th
If all performance measures are performing in compliance with NF	checked "Yes" the practice is		NRCS Practic		th
If all performance measures are performing in compliance with NF	checked "Yes" the practice is		NRCS Practic		th
If all performance measures are performing in compliance with NF	checked "Yes" the practice is		NRCS Practic		th
If all performance measures are performing in compliance with NF	checked "Yes" the practice is		NRCS Practic		th
If all performance measures are performing in compliance with NF	checked "Yes" the practice is		NRCS Practic		th
If all performance measures are performing in compliance with NF	checked "Yes" the practice is		NRCS Practic		th
If all performance measures are performing in compliance with NF	checked "Yes" the practice is		NRCS Practic		th
If all performance measures are performing in compliance with NF	checked "Yes" the practice is		NRCS Practic		th
If all performance measures are performing in compliance with NF	checked "Yes" the practice is		NRCS Practic		th
If all performance measures are performing in compliance with NF	checked "Yes" the practice is		NRCS Practic		th

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(EXHIBIT 4)

Practice Number	356				
Practice Name	DIKE (Class III Dikes)				
Land Owner					
Date Installed (MM/YY)					
Purpose(s)					
Location Description					
Performance Measur	res			Yes	No
Has the structure been maintained to its original height and shape?					
2. Is the earthfill material well co	mpacted?				
3. Are side slopes 1:1 or flatter?					
4. Has O&M been achieved?					
D	Outrasta	Complian with NDCC	Dana mat aam	!!4	L
Practice Acceptance	Criteria	Complies with NRCS Practice Standards	Does not com		
			Standards		
If all performance measures are of performing in compliance with NF					
porterning in compilation with the	too i radiido diamada.				
Comments					
Signed:		Date:			

(EXHIBIT 5)

Practice Number	358					
Practice Name	WASTE TRANSFER					
Land Owner						
Date Installed (MM/YY)						
Purpose(s)						
Location Description						
Performance Measur	ras			Yes	No	n/a
	and curbs meet the performance	e measures for 313 waste storage	je			, a
2. Human and animal access to	the structure is restricted with add	equate safety barriers?				
The pump is installed as per r waste?	manufacturer recommendations a	nd is functioning adequately to t	ransfer the			
4. The pipeline is adequately siz	ed and transfers the waste withou	ut signs of plugging, leaks or ero	sion?			
5. There are adequate safety me						
	onduits have adequate capacity a	nd access for clean out?				
7. Has O&M been achieved?						
Practice Acceptance	Criteria	Complies with NRCS Practice Standards	Does no NRCS P Standar	ractice		h
If all performance measures are practice is performing in compliant Standards.						
Comments						
Signed:		Date:				

(EXHIBIT 6)

Practice Number	362				
Practice Name	DIVERSION				
Land Owner					
Date Installed (MM/YY)					
Purpose(s)					
Location Description					
Performance Measur				Yes	No
Does the diversion have a state				103	110
If the diversion is not cultivated		ver?			
Does the diversion function with		<u> </u>			
Are animals prevented from ca		<u> </u>			
Does the diversion function as					
6. Has O & M been achieved?					
		_			
Practice Acceptance	Criteria	Complies with NRCS Practice Standards	Does not com		:h
If all performance measures are of	hacked "Vee" the practice is		Standards		
performing in compliance with NR	CS Practice Standards.				
Comments					
Comments					

(EXHIBIT 7)

_					
Practice Number	382				
Practice Name	FENCE				
Land Owner					
Date Installed (MM/YY)					
Purpose(s)					
Location Description					
Performance Measur	ras			Yes	No
	ne intended purpose (wire, posts,	etc.)?			
Is the fence functioning for the		,			
Is livestock excluded?	,				
4. Has O&M been achieved?					
		O	D		
Practice Acceptance	e Criteria	Complies with NRCS Practice Standards	Does not com NRCS Practic Standards		n
If all performance measures are	checked "Yes" the practice is				
performing in compliance with NI	RUS Practice Standards.				
Comments					
Comments Signed:		Date:			

(EXHIBIT 8)

Practice Number	393				
Practice Name	FILTER STRIP				
Land Owner					
Date Installed (MM/YY)					
Purpose(s)					
Location Description					
Performance Measur	***			Yes	No
Does vigorous vegetation exists				163	NO
There are no rills or small characters.					
3. There is no evidence or obse strip?		ge to any water body from the lo	wer end of the filter		
Has O&M been achieved?					
Practice Acceptance	· Criteria	Complies with NRCS Practice Standards	Does not com NRCS Practice		in
			Standards		
If all performance measures are performing in compliance with NF					
ponoming in compilation man in	TOO I Tables Standards				
Г					
Comments					
Signed:		Date:			

(EXHIBIT 9)

Practice Number	412				
Practice Name	GRASSED WATERWAY	,			
Land Owner					
Date Installed (MM/YY)					
Purpose(s)					
. [(.)					
Location Description					
200dilon 2000mpilon					
Performance Measur				Yes	No
Does adequate vegetation exi					
2. There is no evidence of erosion					
3. There is no evidence of dama	age caused by livestock or machin	nery?			
4. Has O&M been achieved?					
Γ=			T = .		
Practice Acceptance	· Criteria	Complies with NRCS Practice Standards	Does not com NRCS Practic Standards		h
			Stantialus		
If all performance measures are operforming in compliance with NF	checked "Yes" the practice is RCS Practice Standards.		Stariuarus		
performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.		Standards		
If all performance measures are operforming in compliance with NF	checked "Yes" the practice is RCS Practice Standards.		Standards		
performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.		Standards		
performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.		Standards		
performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.		Standards		
performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.		Standards		
performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.		Standards		
performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.		Standards		
performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.		Standards		
performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.		Standards		
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performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.		Standards		
performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.		Standards		
performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.		Standards		
performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.		Standards		
performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.	Date:	Standards		

(EXHIBIT 10)

	1				
Practice Number	442				
Practice Name	SPRINKLER SYSTEM				
Land Owner					
Date Installed (MM/YY)					
Purpose(s)					
Location Description					
•					
-				1	
Performance Measur				Yes	No
Is there an even distribution p					
2. Is there no surface runoff occ	urring due to a design flaw of the	system hardware?			
3. Has O&M been achieved?					
Practice Acceptance	Criteria	Complies with NRCS Practice Standards	Does not com NRCS Practic Standards	nply wite	th
If all performance measures are of performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.		Staridards		
1		<u> </u>			
Comments					
Signed:		Date:			

(EXHIBIT 11)

Practice Number	516				
Practice Name	PIPELINE				
Land Owner					
Date Installed (MM/YY)					
Purpose(s)					
,					
Location Description					
•					
				1	1
Performance Measur				Yes	No
Are valves, vents, drains, inlet					
2. Is the pipeline protected (PVC					
Are there overflow protection in the start and a supplying the supplying the start and a supplying the supplying the supplying the supplying th		n and transfer of pollutants?			
4. Is there adequate water suppl5. Has O&M been achieved?	y?				
3. Has Oxivi been achieved:					
Practice Acceptance	Criteria	Complies with NRCS Practice Standards	Does not com NRCS Practic Standards		h
If all performance measures are of	checked "Yes" the practice is				
performing in compliance with NF	RCS Practice Standards.				
Comments					

(EXHIBIT 12)

Practice Number	521A				
Practice Name		IING, (Flexible Membran	0)		
	FOND SEALING OR LIN	ing, (Flexible Mellibran	e)		
Land Owner					
Date Installed (MM/YY)					
Purpose(s)					
Location Description					
Performance Measur	es			Yes	No
Applies to: (Circle One) HDPE			her:		
'	I or exceed the minimum thickne	ss requirements stated above?			
Or					
If a liner material type is use intended purpose?	d, does it meet the minimum ma	nufacturer's requirements for line	er thickness for the		
2. Is the liner installed per manuf	acturer's recommendation and s	pecifications?			
3. Was high water table address	ed in the design and installation?				
4. Were seams tested for leaks?					
5. Was a ventilation system addr	essed in the design and installat	ion?			
6. Is the liner protected from lives	stock, erosion and equipment da	mage?			
7. Does the liner appear to be in	good working order?				
8. Has O & M been achieved?					
Dunation Assessed	0.14	Complies with NDCC	Daga nat asm		ula.
Practice Acceptance	Criteria	Complies with NRCS Practice Standards	Does not com NRCS Practice		:n
		Tradition Startage	Standards		
If all performance measures are of performing in compliance with NF					
		•			
Comments					
					-
Signed:		Date:			

(EXHIBIT 13)

Practice Number	521C				
Practice Name	POND SEALING OR LI	NING (Bentonite)			
Land Owner					
Date Installed (MM/YY)					
Purpose(s)					
Location Description					
Technical Informatio	n				
Indicate the USCS soil classif	ication of the liner material:	•			
Indicate the application rate of		lbs/sf.			
Indicate the treated blanket th	ickness:	inches.			
Performance Measur	ras			Yes	No
Was the bentonite application		the NRCS practice standard, ba	sed on unified soil	103	110
classification or laboratory tests?		Tine 141000 practice standard, be	isod on unined son		
2. Was high water table address	ed in the design and installation	?			
3. Is the liner protected from live		amage?			
4. Does the liner appear to be in	good working order?				
5. Has O&M been achieved?					
Practice Acceptance	Criteria	Complies with NRCS Practice Standards	Does not com NRCS Practic Standards		h
If all performance measures are of performing in compliance with NF					
Comments					
Signed:		Date:			

(EXHIBIT 14)

PRACTICE STANDARD PERFORMANCE MEASURE CHECKLIST

Practice Number	533					
Practice Name	PUMPING PLANT					
Land Owner						
Date Installed (MM/YY)						
Purpose(s)						
Location Description						
Performance Measur	**************************************			Yes	No	n/a
Are back flow valves in place,		e water source is a well?		163	140	11/a
Are adequate fish screens ins						
Is spill water causing a water of the spill water of the spill water causing a water of the spill water of the spill water causing a water of the spill water causing a water of the spill water causing a water of the spill water of the spill water of the spill water of the spill water of the						
4. Has O&M been achieved?						
Duration Assembaras	Oultoulo	Complian with NDCS	Dagan	-1m	mlse see	:4h
Practice Acceptance	Criteria	Complies with NRCS Practice Standards	Does n	Practic	piy wi	ıtrı
			Standa	rds		
If all performance measures are of practice is performing in compliar						
Standards.						
Comments						

Date:

Signed:

(EXHIBIT 15)

Practice Number	558					
Practice Name	ROOF RUNOFF MANAG	SEMENT				
Land Owner						
Date Installed (MM/YY)						
Purpose(s)						
Location Description						
Performance Measur	rae			Yes	No	n/a
	nches (French Drains) do not over	top during heavy rainstorms.				11,01
	are made from durable materials?					
3. Are gutters and downspouts a	are securely fastened?					
3. Do adequate outlets exist for Drains)?	the roof gutters and downspouts	and/or rock filled trenches (Fren	ıch			
3. Do rock filled trenches (Frenc	h Drains) do not collect contamir	nated runoff.				
3. Has O&M been achieved?						
Practice Acceptance If all performance measures are		Complies with NRCS Practice Standards	Does no NRCS Po Standard	ractice		h
practice is performing in compliar Standards.						
Comments						
Signed:		Date:				

(EXHIBIT 16)

PRACTICE STANDARD PERFORMANCE MEASURE CHECKLIST

Practice Number	561				
Practice Name	HEAVY USE AREA PRO	TECTION			
Land Owner					
Date Installed (MM/YY)					
Purpose(s)					
Location Description					
					u u
Performance Measur	· · · · · · · · · · · · · · · · · · ·			Yes	No
	over the entire extent of the heavil	v used area to minimum require	ad thickness?	163	NO
Do adequate provisions exist:			tulickiless:		
3. Has O&M been achieved?					
				ı	
Practice Acceptance	Criteria	Complies with NRCS Practice Standards	Does not com NRCS Practic Standards		h
If all performance measures are of performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.				
If all performance measures are of performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.				
If all performance measures are of performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.				
performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.				
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performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.				
performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.				
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performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.				
performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.				
performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.				
performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.				
performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.				
performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.				
performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.				
performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.				
performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.				

Date:

Signed:

(EXHIBIT 17)

Practice Number	574				
Practice Name	SPRING DEVELOPMEN	Т			
Land Owner					
Date Installed (MM/YY)					
Purpose(s)					
Location Description					
•					
Performance Measur				Yes	No
Does the springbox has adequ		1-1/2 square feet)?			
2. Is the outlet 6 inches above th	e floor?				
Is the spring protected from su	urface water contamination?				
Is livestock excluded?					
5. Is the overflow stabilized and	not contributing to polluted runoff	?			
6. Has O&M been achieved?					
Practice Acceptance	Criteria	Complies with NRCS Practice Standards	Does not com		th
		Tradition diameter	Standards		
If all performance measures are operforming in compliance with NF					
performing in compliance with NF					
performing in compliance with NF					
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performing in compliance with NF					

(EXHIBIT 18)

PRACTICE STANDARD PERFORMANCE MEASURE CHECKLIST

Practice Number	580				
Practice Name	STREAMBANK PROTE	CTION			
Land Owner					
Date Installed (MM/YY)					
Purpose(s)					
Location Description					
Performance Measu	roc			Yes	No
	he streambank protected area by	fences except at designated wa	tering areas or	103	140
crossings?	To discambank protected area by	Torrood oxoopt at doorgrated wa			
	curring due to damage from livest				
	equately protected with sand, grav				
	nannel stable or has it been stabil	ized?			
5. Has O&M been achieved?					
Practice Acceptance	e Criteria	Complies with NRCS	Does not con	nply wit	h
P		Practice Standards	NRCS Practic Standards		
If all performance measures are performing in compliance with N					
Commonto					
Comments					
<u> </u>					

Date:

Signed:

(EXHIBIT 19)

Practice Number	587				
Practice Name	STRUCTURE FOR WAT	ER CONTROL			
Land Owner					
Date Installed (MM/YY)					
Purpose(s)					
Location Description					
Darfarmanaa Maaa	***			Yes	No
Performance Measur 1. Has the structure been function				162	NO
Is the structure protected from		nt damage?			
Does the structure appear to I		in damage.			
4. Has O&M been achieved?	<u> </u>				
				1	
Practice Acceptance	e Criteria	Complies with NRCS Practice Standards	Does not com NRCS Practic Standards		:h
If all performance measures are operforming in compliance with NF					
Comments					
Signed:		Date:			
oigiieu.		Date.			

(EXHIBIT 20)

PRACTICE STANDARD PERFORMANCE MEASURE CHECKLIST

5 " N I	T 000				
Practice Number	606				
Practice Name	SUBSURFACE DRAIN				
Land Owner					
Date Installed (MM/YY)					
Purpose(s)					
Location Description					
•					
Performance Measu	ıres			Yes	No
Is the pipe outlet free of tras					
Does the subsurface drain h					
Is the outlet protected from it.					
4. Is the subsurface drain adeq	•				
	e excluded from the subsurface dra	ain?			
6. Has O&M been achieved?					
Practice Acceptanc	e Criteria	Complies with NRCS Practice Standards	Does not con NRCS Practic Standards		h
If all performance measures are	e checked "Yes" the practice is		Standards		
performing in compliance with I	NRCS Practice Standards.				
Comments					
Comments					

Signed:

Date:

(EXHIBIT 21)

Practice Number	614					
Practice Name	TROUGH OR TANK					
Land Owner						
Date Installed (MM/YY)						
Purpose(s)						
Location Description						
Performance Measur	res			Yes	No	
1. Is the tank site protected from	livestock damage and erosion?					
2. Is the water supply valve fund	tioning?					
3. Is the shut-off float functioni	ng properly?					
And/Or	u nined to a decirable naint of ral	00007				
4. Has O&M been achieved?	w piped to a desirable point of rel	ease?				
4. Has odivi been denieved:						
Practice Acceptance Criteria		Complies with NRCS Practice Standards	Does not comply with NRCS Practice Standards			
			Otaridards			
If all performance measures are performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.		Otanuarus			
If all performance measures are performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.		Otanuarus			
If all performance measures are performing in compliance with NE	checked "Yes" the practice is RCS Practice Standards.		Otandards			
performing in compliance with Ni	checked "Yes" the practice is RCS Practice Standards.		Otandards			
performing in compliance with Ni	checked "Yes" the practice is RCS Practice Standards.		Ottandards			
performing in compliance with Ni	checked "Yes" the practice is RCS Practice Standards.		Ottandards			
performing in compliance with Ni	checked "Yes" the practice is RCS Practice Standards.		Ottandards			
performing in compliance with Ni	checked "Yes" the practice is RCS Practice Standards.		Ottandards			
performing in compliance with Ni	checked "Yes" the practice is RCS Practice Standards.		Ottandards			
performing in compliance with Ni	checked "Yes" the practice is RCS Practice Standards.		Ottandards			
performing in compliance with Ni	checked "Yes" the practice is RCS Practice Standards.		Ottandards			
performing in compliance with Ni	checked "Yes" the practice is RCS Practice Standards.		Ottandards			
performing in compliance with Ni	checked "Yes" the practice is RCS Practice Standards.		Ottandards			
performing in compliance with Ni	checked "Yes" the practice is RCS Practice Standards.		Ottandards			
performing in compliance with Ni	checked "Yes" the practice is RCS Practice Standards.		Ottandards			
performing in compliance with Ni	checked "Yes" the practice is RCS Practice Standards.		Ottandards			

(EXHIBIT 22)

Practice Number	620				
Practice Name	UNDERGROUND OUTL	ET			
Land Owner					
Date Installed (MM/YY)					
Purpose(s)					
. ,					
Location Description					
•					
Performance Measur				Yes	No
Is the pipe outlet free of trash					
Is the underground outlet stab					
3. Is the outlet protected from roo					
4. Is the underground outlet adea					
5. Is the confined animal waste of	excluded from the underground o	utlet?			
6. Has O & M been achieved?					
Practice Acceptance Criteria		Complies with NRCS Practice Standards	Does not comply with NRCS Practice Standards		
			Standards		
If all performance measures are operforming in compliance with NF	checked "Yes" the practice is RCS Practice Standards.		Standards		
performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.		Standards		
If all performance measures are of performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.		Standards		
performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.		Standards		
performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.		Standards		
performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.		Standards		
performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.		Standards		
performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.		Standards		
performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.		Standards		
performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.		Standards		
performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.		Standards		
performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.		Standards		
performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.		Standards		
performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.		Standards		
performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.		Standards		
performing in compliance with NF	checked "Yes" the practice is RCS Practice Standards.		Standards		